

Installation Instructions

Luminaires must be installed by a qualified electrician. Check with local and national codes for proper installation.



To prevent electrical shock disconnect electrical supply before installation or servicing.

Input Voltage 120-277V only!

Never connect a fixture to a live driver!!!

Contractor is responsible for adequately reinforcing walls and/or ceilings to support fixture weight. Provide blocking when necessary.

WARNING: Not for insulation contact. Keep insulation a minimum of 3" from Housing.

Step 1 - *Open the Box*

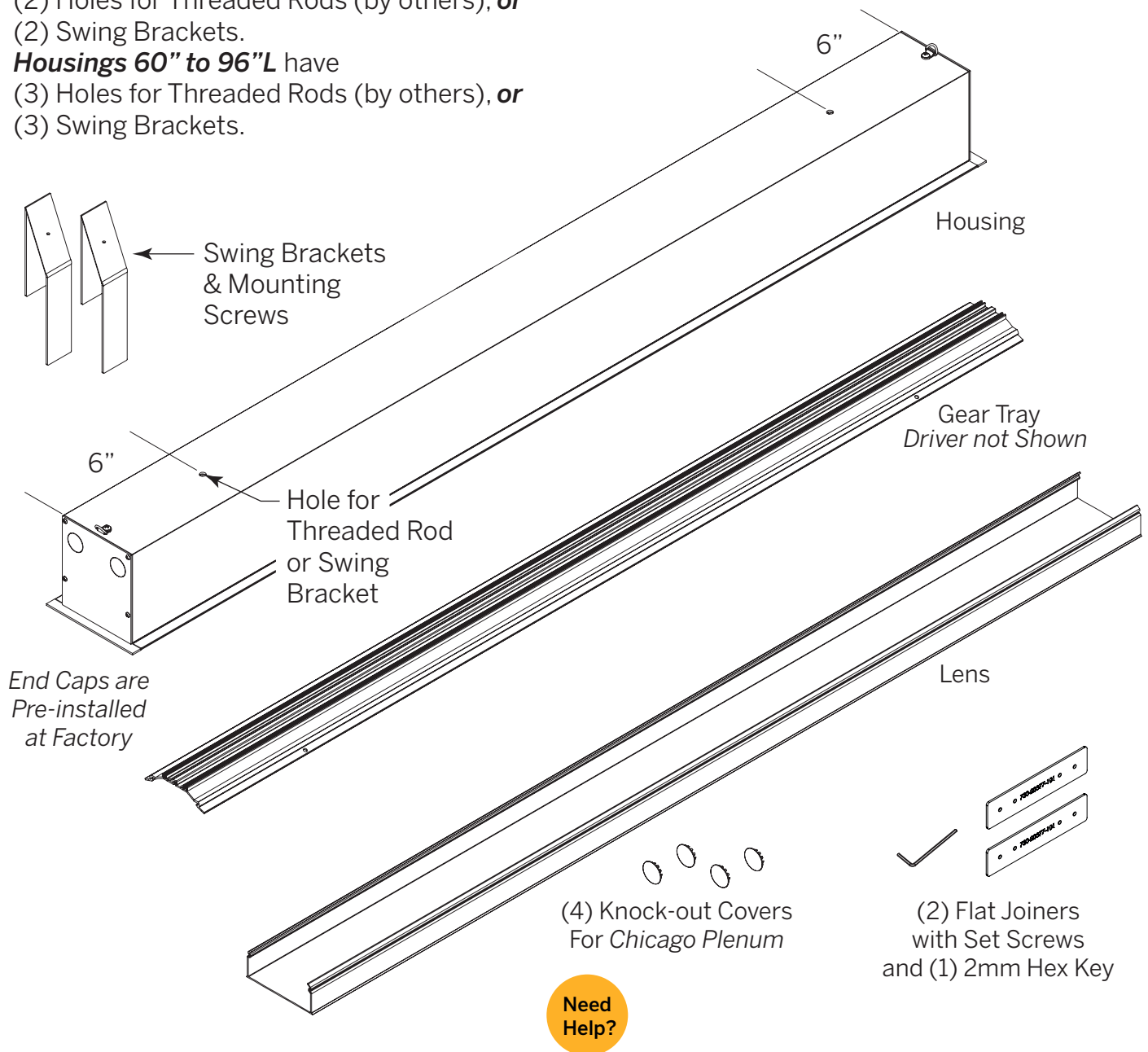
Unpack luminaire unit. Unit consists of (3) major parts: Housing, Gear Tray, and Lens. Integral Drivers supplied by Inter-lux. Fixtures must be installed in an accessible ceiling.

Housings up to and including 60"L have

- (2) Holes for Threaded Rods (by others), **or**
- (2) Swing Brackets.

Housings 60" to 96"L have

- (3) Holes for Threaded Rods (by others), **or**
- (3) Swing Brackets.



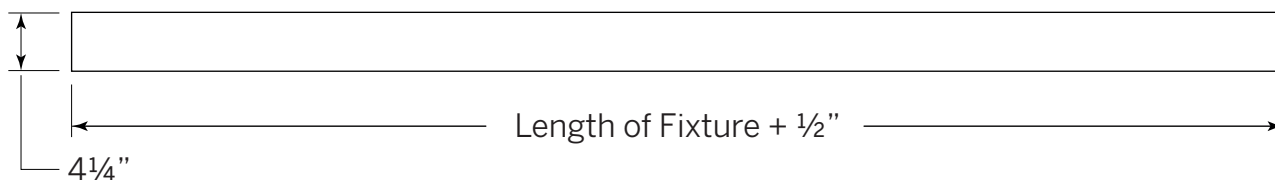
Step 1 - **Open the Box** *(continued)*

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Installation for Chicago Plenum

To install this fixture consistent with Chicago Plenum requirements, CCEA-rated conduit, clamp(s), junction box(es), and gasket(s) are supplied by others. Snap-in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections. Remove unused knock-outs to install Covers.

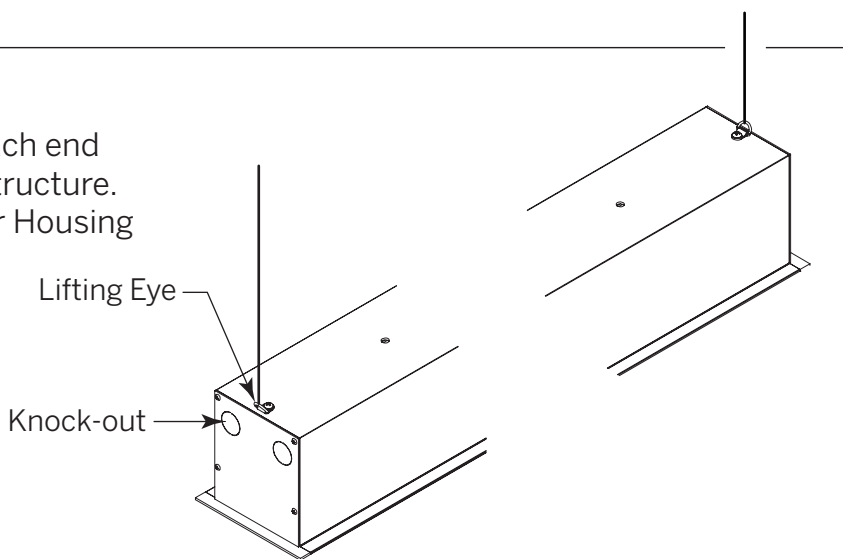
Step 2 - **Cut Mounting Hole**



Step 3 - **Install Housing(s)**

All Units

- a** Attach Hanging Wire to Lifting Eyes at each end of Housing and mechanically fasten to structure. Be prepared to adjust Hanging Wire after Housing is mounted to ceiling.



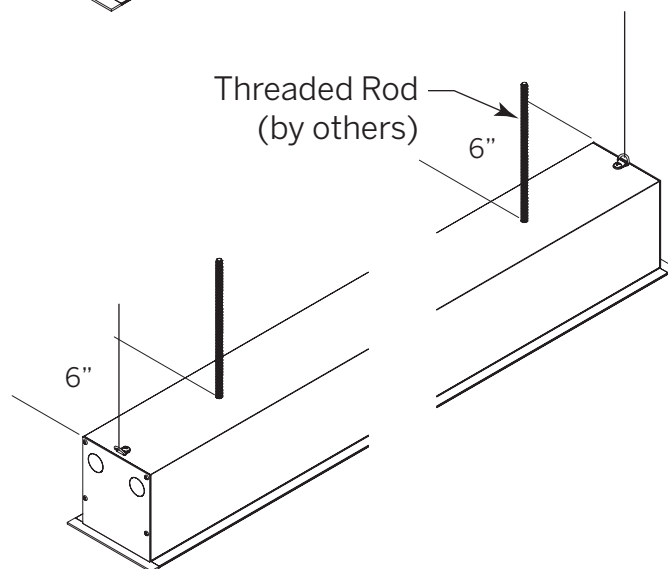
Chicago Plenum

Snap-in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections.

- b** Housing may be installed in two ways: Threaded Rods or Swing Brackets.

Threaded Rods

Fasten Threaded Rods (by others) through the drilled holes on the top of the Housing. Mount tops of Rods to structure. Fastening hardware also by others.



NOTE: Length of Threaded Rod to be determined by customer.

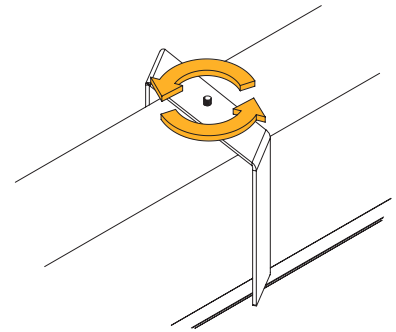
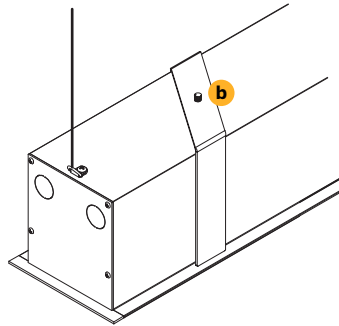
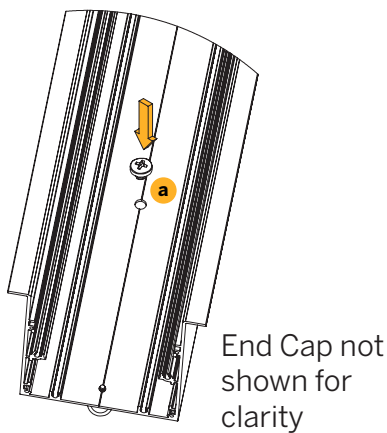
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Step 3 - **Install Housing(s)** (continued)

Swing Brackets

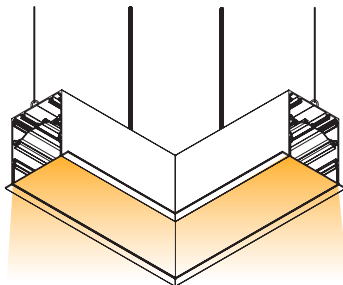
If installing in a hard ceiling, such as wood or metal, use the supplied Swing Brackets. To install Brackets:

- a** Insert Bracket Screw into hole insert from inside Housing.
- b** Lay Bracket over top of Housing and fasten Screw to Bracket from inside Housing.
- c** Push Housing up into ceiling opening. From inside ceiling, turn Swing Brackets such that legs extend over hard ceiling.

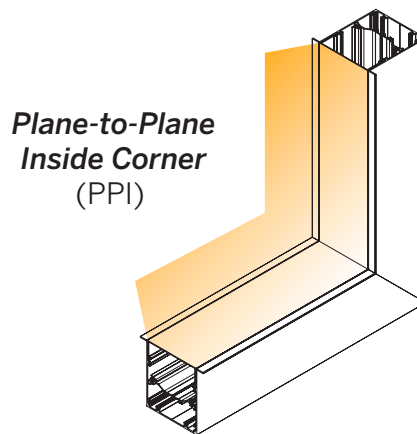


Position of Bracket
after rotation
inside ceiling

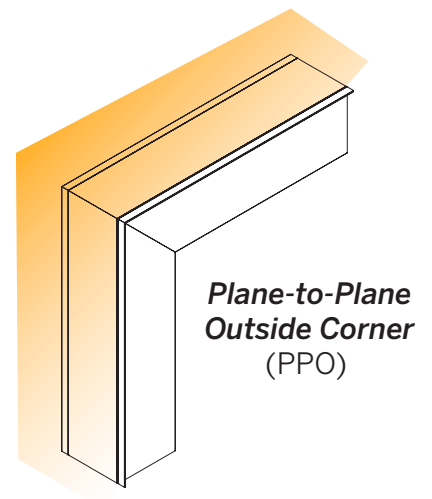
- d** When installing a Pattern, the customer may find it easier starting with a Corner. The Pattern Corner (P), the Plane-to-Plane Pattern Inside (PPI), and Pattern Outside (PPO) Corner are welded at the factory. Illustration of light out-put shows direction only, and is not indicative of actual color, intensity, or spread. Corners install via Threaded Rods or Swing Brackets as shown above.



Pattern Corner (P)



**Plane-to-Plane
Inside Corner
(PPI)**



**Plane-to-Plane
Outside Corner
(PPO)**

- e** Level Fixture(s) before installing Gear Tray.

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Step 4 - **Pull Power Feed into Housing**

- a** Remove Housing End Cap Knock-out.
- b** Install appropriate fitting(s) (by others).
- c** Pull branch-circuit feed into Housing.

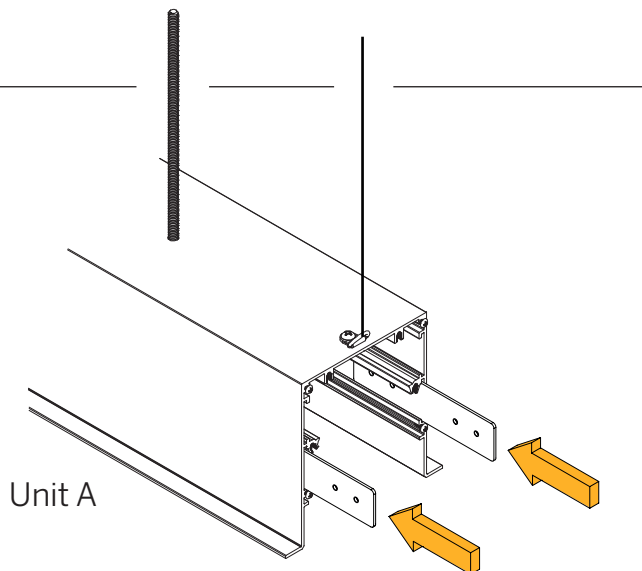
NOTE: For a Pattern - in which there are no End Caps - a 7/8" hole will be drilled in the top of one unit or more, if necessary.

Step 5 - **Install Joiners** - Multi Unit Run only

On *Starting Unit*, on end opposite End Cap, slide a Joiner *halfway* into each interior channel on each side of Housing, as shown.

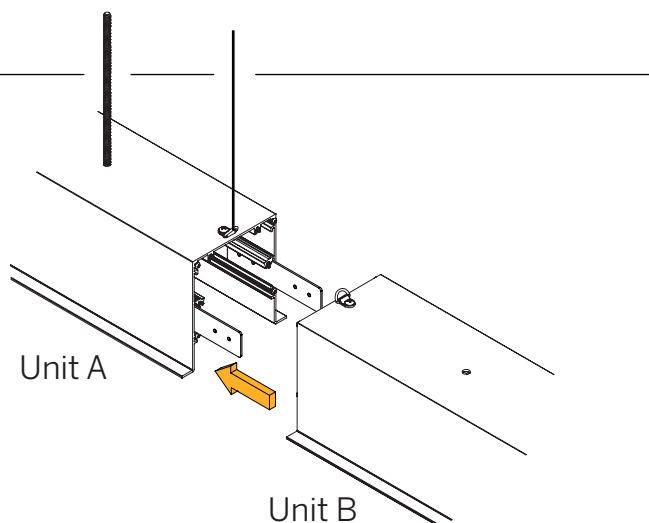
Fasten Joiners to Unit A with supplied Set Screws using supplied 2mm Hex Key.

Do not overtighten. Overtightening risks deforming outer surface of Housing.



Step 6 - **Join Housings** - Multi Unit Run only

- a** Install Hanging Wire on Unit B per **Step 3a**.
- b** Slide Adjacent unit - Unit B - onto Joiners, and with assistance, install Threaded Rods (by others) per **Step 3b**.
- c** Fasten Joiner Set Screws to Unit B. Do not overtighten.
- d** Repeat as necessary for all units in Run.



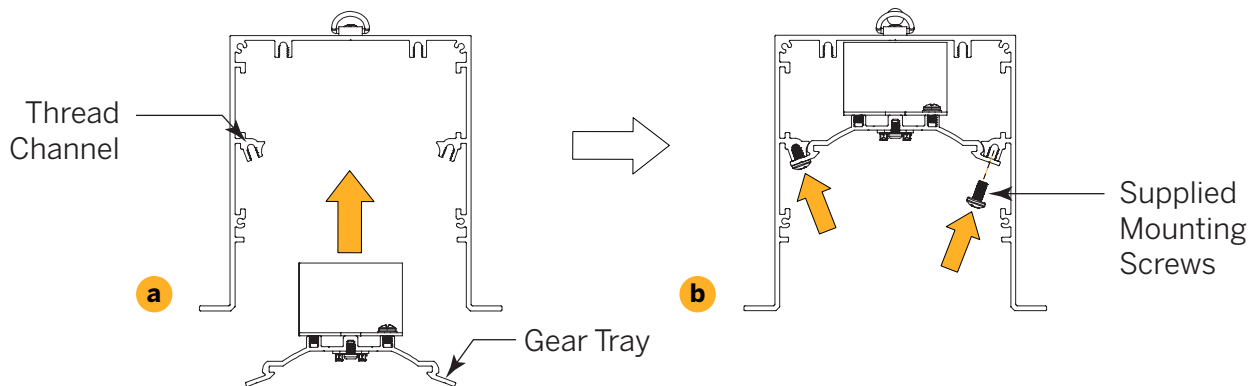
Chicago Plenum

As Housings are drawn together apply silicone caulk to outside joint. Ensure that squeeze-out does not interfere with Joiners sliding into final position.

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Step 7 - *Install Gear Tray*

- a** Raise Gear Tray up and into Housing from below.
- b** Fasten Gear Tray to Thread Channel in Housing with supplied screws. Mounting holes predrilled at factory.

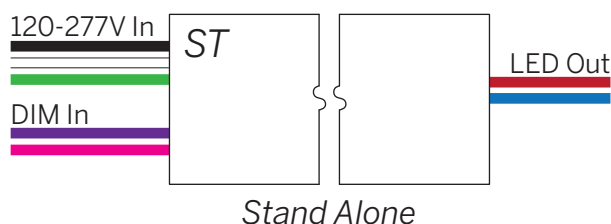


NOTE: The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Feed. Similarly, controllers will add a second pair of feeds to each Driver.

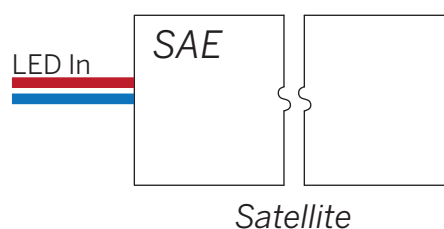
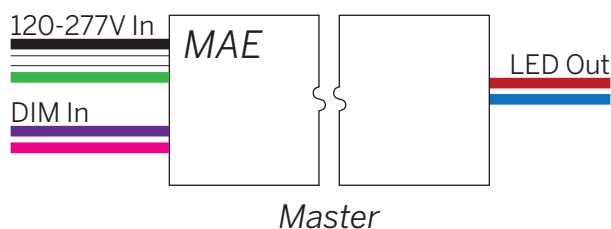
Step 8- *Wiring*

Each Gear Tray is factory-labeled with its driver configuration code. Match that code to one of the diagrams below, located in the upper left-hand corner.

Make branch-circuit connections with supplied Wago™ connectors.



Conductor Color Legend		
Line (L)		Black
Neutral (N)		White
Ground (G)		Green
DIM (+)		Purple
DIM (-)		Pink
DC (+)		Red
DC (-)		Blue

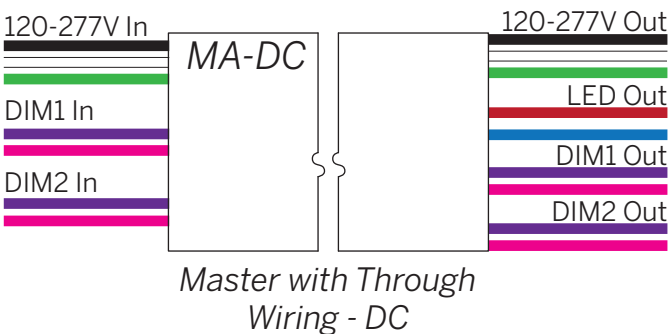
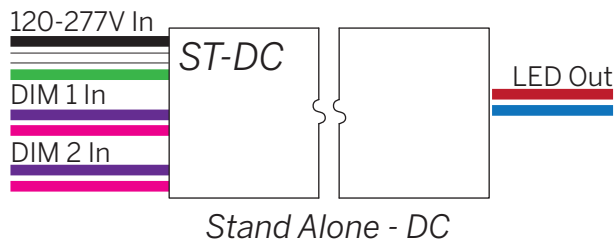
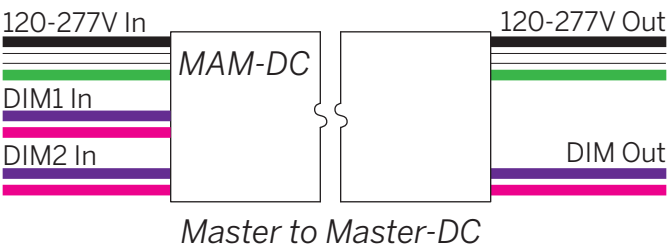
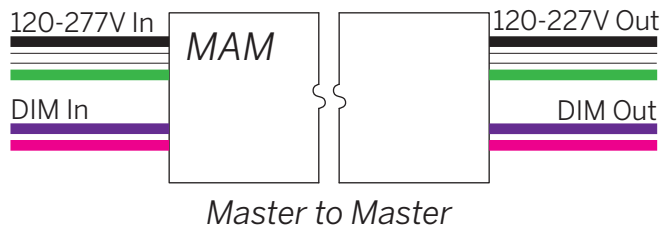
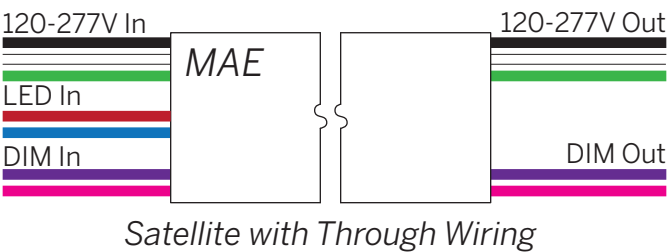
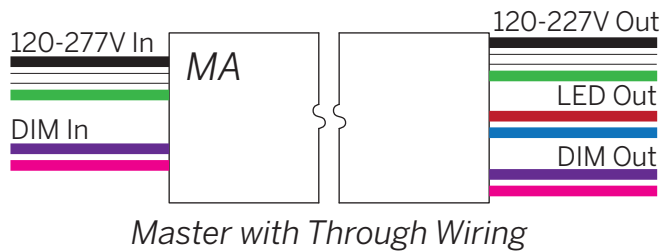


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Step 8- *Wiring*

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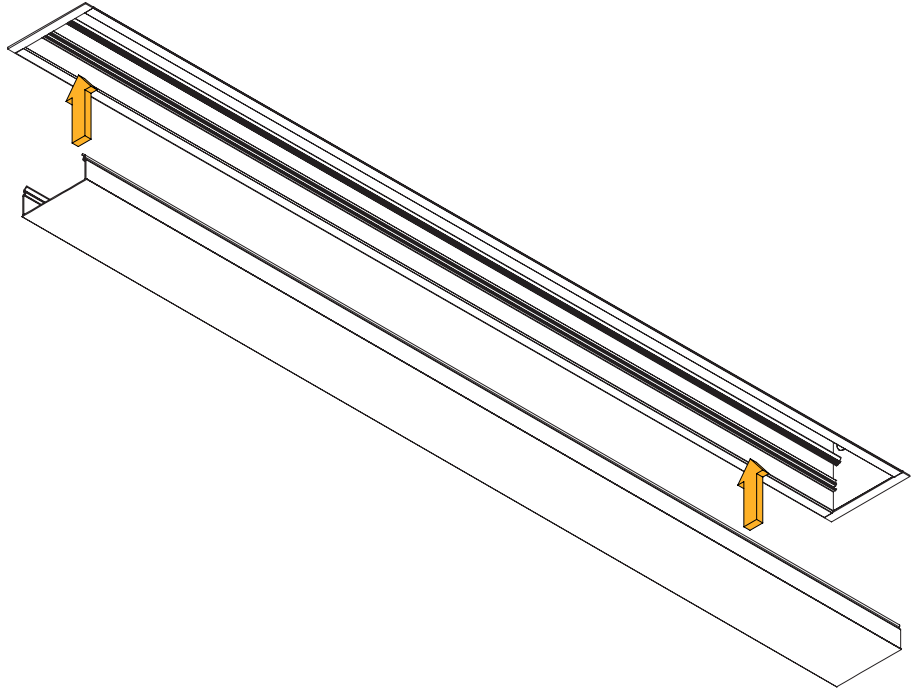
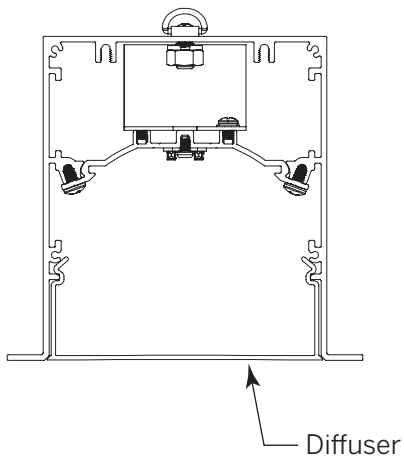


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Step 9 - *Install Lens*

- a** Snap in Lens as shown at right and below.
- b** Energize!



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